



FORM PTO-1449 (Modified)  
U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

Atty Docket No. 975902-600208

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
(Use several sheets if necessary)

(37 CFR 1.98(b))

Serial No.: 10/583753

Applicant(s): Haas, et al.

Filed: December 20, 2004

Group: 1764

**U.S. PATENT DOCUMENTS**

Exam. Init.		Publication/ Patent Number							Publication/ Issue Date	Patentee	Class	Subclass	Filing Date	
		7	2	4	1	4	2	4	07/10/2007	Guan, et al				
		7	1	1	8	9	1	7	10/10/2006	Bergh, et al.				
		7	1	1	5	2	3	1	10/03/2006	Zhou, et al.				
		6	8	6	9	7	9	9	03/22/2005	Guan, et al.				
		6	5	2	8	0	2	6	03/04/2003	Hajduk, et al.				
		6	4	8	9	1	6	8	12/03/2002	Wang, et al.				
		6	3	9	5	5	5	2	05/28/2002	Borade, et al.				
		6	1	4	9	8	8	2	11/21/2000	Guan, et al.				
		5	3	0	4	3	5	4	04/19/1994	Finley, et al.				
		4	8	8	0	4	4	9	11/14/1989	Babyak, et al.				
		4	3	8	8	4	1	1	06/14/1983	Lovelock				
		3	8	5	3	1	4	4	12/10/1974	Whelan				
		2	6	7	6	6	0	3	04/27/1954	Kollsman				
		2	5	8	3	1	7	7	01/22/1952	Hoekstra				
	2003	0	1	5	9	5	3	0	08/28/2003	Haas, et al				

**FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION**

Exam. Init.		Document Number							Publication Date	Country or Patent Office	Class	Subclass	Translation	
	2004	0	5	2	5	3	0		06/24/2004	PCT			Yes	No
	2003	0	9	5	0	8	7		11/20/2003	PCT				
	2003	0	7	8	0	5	3		09/25/2003	PCT				
	2001	0	6	6	2	4	5		09/13/2001	PCT				
	1998	0	7	0	2	6			02/19/1998	PCT				
		1	9	8	5	5	9	10	06/08/2000	Germany				
		1	9	8	0	9	4	77		Germany				
		1	9	6	3	2	9	11		Germany				
		1	0	0	3	6	6	33		Germany				
		2	3	4	9	4	1		04/16/1986	Germany			X	
		1	1	6	7	2	9	8	01/02/2002	EPO				
		1	0	0	1	8	4	6		EPO				
		0	4	2	3	2	9	4		EPO				
		0	1	6	8	3	0	1	01/15/1986	EPO				
		1	3	9	9	3	9	7	07/02/1975	Great Britain				
		1	0	2	1	0	5	0	02/23/1966	Great Britain				

**OTHER DOCUMENTS (Including Author, Title, Date\*\*, Relevant pages, Place of Publication\*\*\*)**

	PCT International Search Report for PCT/EP2004/014509, dated September 6, 2005
	CREER, J G et al., "The Design and Construction of a Multichannel Microreactor for Catalyst Evaluation" Applied Catalysis, Amsterdam NL, Vol. 22, No. 1, 1986, pages 85-95
	RANDHAVA R., "Advanced Configurations for Catalyst Research", Chemical Engineering Progress, American Institute of Chemical Engineers. New York, Volume 70, no. 11, November 1983
	RICHARDSON, J T, et al., "Characterization and Deactivation of NiO-ThO <sub>2</sub> Catalysts", Applied Catalysis 48 (1989) 159-176
	SCHADE and KUNZ, Chapter 5 of the textbook "Stromungslehre" [flow theory] (2 <sup>nd</sup> edition, Walter Gruyter, Berlin, 1989)
	TONKOVICH, et al., "The Catalytic Partial Oxidation of Methane in a Microchannel Chemical Reactor", Pacific Northwest National Library, Battelle Boulevard, Richland WA 999352
	TORRES-ACOSTA, PhD Thesis, "Computer Automated Testing of Nickel Catalysts for Fischer-Tropsch Synthesis", July 1983
	PEREZ-RAMIREZ, J., et al., "The Six Flow Reactor Technology A Review On Fast Catalyst Screening And Kinetic Studies", Catalysis Today 60 (2000) 93-109 Industrial Catalysis, Delft ChemTech, Faculty of Applied Sciences, Delft University of Technology, Julianalaan 136, 2628 BL, Delft, Netherlands
	SINGOREDJO, L., et al., "Selective Catalytic Reduction of NO with NH <sub>3</sub> , Over Carbon Supported Copper Catalysts", Catalysis Today, 7 (1990) 157-165)
	THOMAS, R., et al., "Structure/Metathesis-Activity Relations of Silica Supported Molybdenum and Tungsten Oxide", Journal of Molecular Catalysis, 8 (1980) 161-174
	STEGENGA et al., "Hysteresis during CO-oxidation Activity Measurements on Carbon-Supported Copper/Chromium Catalysts", Recl. Trav. Chim, pay-Bas 109, 112-116 (1990)
	WU, C., et al., "Development of a Low Cost, Thermally Stable Monolithic Three-Way Catalyst System", Ind. Eng. Chem. Prod. Res. Des., 1983, 22, 559-585
	FALK, C.D., et al., "Three Way Conversion Catalysts: Effect of Closed-Loop Feed-Back Control and Other Parameters on Catalyst Efficiency", Society of Automotive Engineers Technical Paper Series, 800462, Congress and Exposition CoHo Hall, Detroit, February 25-29, 1980
	VAJO, J. J., et al., "Versatile Microreactor for Studies of Gas-Surface Catalytic Reactions Between 10 <sup>-7</sup> and 1000 Torr", Rev. Sci. Instrum. 58 (7), July 1985
	BRUUN, J., "Capillary Flowmeter with Variable Orifices", Sun Oil Company Experimental Division, Norwood, Pennsylvania
	BRUUN, J., "Flow Divider for Gases", Sun Oil Company Experimental Division, Norwood, Pennsylvania
	ERTL, G., et al. "Handbook of Heterogeneous Catalysis" Volume 3 pages 1194 and 1374
Examiner	Date Considered
<b>EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</b>	